

## PLUS Search Request Form

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Date 6/11/2002

Serial Number of Application 09/775,253

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Building (circle one) CP2 CPK1 Floor 8/11 Room # 854

Number of Results returned (Minimum 50/ Maximum 300) 100

Keywords to emphasize

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09775253 on June 12, 2002

36 345/173 (17 OR, 19 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/173 .Touch panel

16 345/174 (4 OR, 12 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/173 .Touch panel

345/174 ..Including impedance detection

12 178/18.03 (2 OR, 10 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)

178/18.03 ..Writing digitizer pad

11 178/18.05 (4 OR, 7 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)

178/18.03 ..Writing digitizer pad

178/18.05 ...Resistive

10 178/18.01 (4 OR, 6 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)

10 345/179 (1 OR, 9 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/179 .Stylus

9 345/104 (5 OR, 4 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/30 PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM  
(E.G., NON-CRT)

345/55 .Display elements arranged in matrix (e.g.,  
rows and columns)

345/84 ..Light-controlling display elements

345/87 ...Liquid crystal display elements (LCD)

345/104 ....Input/output liquid crystal display panel

8 349/12 (4 OR, 4 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/1 LIQUID CRYSTAL SYSTEM

349/12 .Liquid crystal writing tablet

7 200/5A (4 OR, 3 XR)

Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS

200/1R MULTIPLE CIRCUIT CONTROL

200/5R .Multiple switch

200/5A ..With independent operators

7 345/175 (4 OR, 3 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/173 .Touch panel

345/175 ..Including optical detection

6 178/18.02 (1 OR, 5 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)

178/18.02 ..Error correction

5 178/18.06 (0 OR, 5 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing

- (e.g., writing digitizer pad, stylus, or circuitry)
- 178/18.03 ..Writing digitizer pad
- 178/18.06 ...Capacitive
- 5 200/512 (2 OR, 3 XR)
- Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
- 200/502 SOLID CONTACT
- 200/512 .Membrane type
- 4 248/921 (0 OR, 4 XR)
- Class 248 : SUPPORTS
- 248/917 VIDEO DISPLAY SCREEN SUPPORT
- 248/919 .Adjustably orientable video screen support
- 248/921 ..Plural angular
- 4 248/923 (0 OR, 4 XR)
- Class 248 : SUPPORTS
- 248/917 VIDEO DISPLAY SCREEN SUPPORT
- 248/919 .Adjustably orientable video screen support
- 248/922 ..Angular
- 248/923 ...Tilting
- 4 341/22 (1 OR, 3 XR)
- Class 341 : CODED DATA GENERATION OR CONVERSION
- 341/20 BODILY ACTUATED CODE GENERATOR
- 341/22 .Including keyboard or keypad
- 4 345/156 (0 OR, 4 XR)
- Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS
- 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
- 3 178/19.04 (0 OR, 3 XR)
- Class 178 : TELEGRAPHY
- 178/2R SYSTEMS
- 178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)
- 178/19.01 ..Writing digitizer stylus
- 178/19.04 ...Pressure stylus
- 3 178/20.01 (0 OR, 3 XR)
- Class 178 : TELEGRAPHY
- 178/2R SYSTEMS
- 178/18.01 .Position coordinate determination for writing

- (e.g., writing digitizer pad, stylus, or circuitry)
- 178/20.01 ..Writing digitizer circuit
- 3 248/123.11 (3 OR, 0 XR)  
Class 248 : SUPPORTS  
248/121 STAND AND BRACKET  
248/122.1 ..Having adjustable bracket  
248/123.11 ..Counterbalanced
- 3 248/280.11 (1 OR, 2 XR)  
Class 248 : SUPPORTS  
248/200 BRACKETS  
248/274.1 ..Adjustable  
248/276.1 ..Plural joints  
248/278.1 ...Vertical pivot at right angle to horizontal  
pivot  
248/280.11 ....Counterbalanced
- 3 248/284.1 (0 OR, 3 XR)  
Class 248 : SUPPORTS  
248/200 BRACKETS  
248/274.1 ..Adjustable  
248/276.1 ..Plural joints  
248/284.1 ...Horizontal pivots
- 3 341/33 (0 OR, 3 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION  
341/20 BODILY ACTUATED CODE GENERATOR  
341/22 ..Including keyboard or keypad  
341/33 ..Capacitive actuation
- 3 341/34 (2 OR, 1 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION  
341/20 BODILY ACTUATED CODE GENERATOR  
341/22 ..Including keyboard or keypad  
341/34 ..Pressure sensitive actuation
- 3 345/178 (0 OR, 3 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS  
345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE  
345/173 ..Touch panel  
345/178 ..With alignment or calibration capability  
(i.e., parallax problem)

3 349/111 (0 OR, 3 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure  
only

349/104 ..Filter

349/110 ...Opaque mask or black mask

349/111 ....Conductive mask

3 361/280 (0 OR, 3 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/271 ELECTROSTATIC CAPACITORS

361/277 .Variable

361/280 ..Responsive to external condition

3 361/681 (0 OR, 3 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE  
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices

361/681 ..Including display support

2 156/99 (1 OR, 1 XR)

Class 156 : ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL  
MANUFACTURE

156/1 METHODS

156/60 .Surface bonding and/or assembly therefor

156/99 ..Optically transparent glass sandwich making  
(e.g., window or filter)

2 178/18.04 (0 OR, 2 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)

178/18.03 ..Writing digitizer pad

178/18.04 ...Acoustical (e.g., vibration, ultrasonic,  
etc.)

2 178/18.07 (1 OR, 1 XR)

Class 178 : TELEGRAPHY

178/2R SYSTEMS

178/18.01 .Position coordinate determination for writing

- (e.g., writing digitizer pad, stylus, or circuitry)
- 178/18.03 ..Writing digitizer pad
- 178/18.07 ...Inductive
- 2 178/20.03 (0 OR, 2 XR)
- Class 178 : TELEGRAPHY
- 178/2R SYSTEMS
- 178/18.01 .Position coordinate determination for writing  
(e.g., writing digitizer pad, stylus, or circuitry)
- 178/20.01 ..Writing digitizer circuit
- 178/20.03 ...Sampling circuit
- 2 200/514 (0 OR, 2 XR)
- Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
- 200/502 SOLID CONTACT
- 200/512 .Membrane type
- 200/514 ..Specitic nonconductive materials
- 2 219/702 (1 OR, 1 XR)
- Class 219 : ELECTRIC HEATING
- 219/678 MICROWAVE HEATING
- 219/702 .With control system
- 2 248/278.1 (1 OR, 1 XR)
- Class 248 : SUPPORTS
- 248/200 BRACKETS
- 248/274.1 .Adjustable
- 248/276.1 ..Plural joints
- 248/278.1 ...Vertical pivot at right angle to horizontal  
pivot
- 2 248/918 (0 OR, 2 XR)
- Class 248 : SUPPORTS
- 248/917 VIDEO DISPLAY SCREEN SUPPORT
- 248/918 .Ancillary device support associated with a  
video display screen
- 2 250/221 (0 OR, 2 XR)
- Class 250 : RADIANT ENERGY
- 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
- 250/216 .Optical or pre-photocell system
- 250/221 ..Controlled by article, person, or animal
- 2 338/114 (2 OR, 0 XR)
- Class 338 : ELECTRICAL RESISTORS

- 338/68 MECHANICALLY VARIABLE (E.G., RHEOSTAT)
- 338/114 .Deformable
  
- 2 338/99 (0 OR, 2 XR)
  - Class 338 : ELECTRICAL RESISTORS
  - 338/68 MECHANICALLY VARIABLE (E.G., RHEOSTAT)
  - 338/99 .Surfaces pressed together (e.g., compressible type)
  
- 2 341/31 (0 OR, 2 XR)
  - Class 341 : CODED DATA GENERATION OR CONVERSION
  - 341/20 BODILY ACTUATED CODE GENERATOR
  - 341/22 .Including keyboard or keypad
  - 341/31 ..Photoelectric actuation
  
- 2 341/5 (1 OR, 1 XR)
  - Class 341 : CODED DATA GENERATION OR CONVERSION
  - 341/1 DIGITAL PATTERN READING TYPE CONVERTER
  - 341/5 .For X or Y coordinate determination (e.g., stylus-pad)
  
- 2 345/157 (2 OR, 0 XR)
  - Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY SYSTEMS
  - 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
  - 345/157 .Cursor mark position control device
  
- 2 345/159 (0 OR, 2 XR)
  - Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY SYSTEMS
  - 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
  - 345/157 .Cursor mark position control device
  - 345/159 ..Having variable cursor speed
  
- 2 345/168 (2 OR, 0 XR)
  - Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY SYSTEMS
  - 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
  - 345/168 .Including keyboard
  
- 2 345/177 (0 OR, 2 XR)
  - Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR

INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/173 .Touch panel

345/177 ..Including surface acoustic detection

2 345/87 (1 OR, 1 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/30 PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM  
(E.G., NON-CRT)

345/55 .Display elements arranged in matrix (e.g.,  
rows and columns)

345/84 ..Light-controlling display elements

345/87 ...Liquid crystal display elements (LCD)

2 349/117 (0 OR, 2 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure  
only

349/117 ..Compensator or retarder (i.e., not using  
liquid crystal cell)

2 349/122 (0 OR, 2 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure  
only

349/122 ..Particular nonoptical film or layer (e.g.,  
adhesive layer, barrier layer)

2 349/159 (1 OR, 1 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure  
only

349/158 ..Substrate

349/159 ...Fiberoptic faceplate

2 349/162 (1 OR, 1 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 PARTICULAR STRUCTURE

349/84 .Having significant detail of cell structure

- only
    - 349/162 ..Dual function layer or element
- 2 349/38 (0 OR, 2 XR)
  - Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
  - 349/19 PARTICULAR EXCITATION OF LIQUID CRYSTAL
  - 349/33 .Electrical excitation of liquid crystal (i.e.,  
particular voltage pulses, AC vs. DC, threshold voltages,  
etc.)
  - 349/38 ..With supplemental capacitor
- 2 349/96 (1 OR, 1 XR)
  - Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
  - 349/56 PARTICULAR STRUCTURE
  - 349/84 .Having significant detail of cell structure
  - only
  - 349/96 ..Polarizer
- 2 361/687 (2 OR, 0 XR)
  - Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
  - 361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE  
ELECTRICAL COMPONENTS
  - 361/679 .For electronic systems and devices
  - 361/683 ..Computer related support
  - 361/687 ...With cooling means
- 2 430/396 (1 OR, 1 XR)
  - Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF
  - 430/396 EFFECTING FRONTAL RADIATION MODIFICATION DURING  
EXPOSURE, E.G., SCREENING, MASKING, STENCILING, ETC.